

## CLAIMS

What is claimed is:

- 1     1.     A filtering apparatus, comprising an inlet channel for flow to be filtered, an outlet  
2     channel for filtered flow, a number of parallel filtering elements, into which flow to be  
3     filtered may be directed so that infiltration occurs through a jacket of an element, and at  
4     least one rotating washing organ connecting alternately to the different elements for  
5     forming a discharge channel for backflushing of the elements generated with the pressure  
6     of the filtered flow; and a freewheel clutch connected to a rotating axle of the washing  
7     organ, wherein the clutch converts reciprocating movement generated with pressure of the  
8     flow in the apparatus and alternating lower pressure into a continuously parallel, stepping  
9     rotary movement of the axle.
- 1     2.     The apparatus according to claim 1, wherein the freewheel clutch comprises a  
2     coupling organ driving the rotating axle of the washing organ, which is alternately in  
3     sliding contact with the axle and which alternately locks into the axle for rotating the  
4     axle, the said coupling organ being articulated to the piston reciprocating on the  
5     alternating pressure.
- 1     3.     The apparatus according to claim 2, wherein in the apparatus includes channels  
2     and related control valves for coupling the pressure of the filtered flow and the lower  
3     counterpressure alternately to different sides of the piston.
- 1     4.     The apparatus according to claim 3, wherein the pressure in the discharge channel  
2     of the backflushing flow is coupled as counterpressure for the pressure of the filtered  
3     flow.

1     5.     The apparatus according to claim 1, wherein the filtering elements are cylindrical  
2     and arranged on one or several circumferences surrounding the rotating axle of the  
3     washing organ.

1     6.     The apparatus according to claim 5, wherein the washing organ consists of one or  
2     more tubular washing arms transverse to the rotating axle and connecting alternately to  
3     the ends of different filtering elements

1     7.     The apparatus according to claim 1, wherein the apparatus includes two or more  
2     washing organs connected to the same rotating axle for simultaneous backflushing of two  
3     or more filtering elements.

1     8.     The apparatus according to claim 7, wherein the apparatus comprises a washing  
2     organ at both ends of the parallel filtering elements, and that the washing organs are  
3     made as one piece with the rotating axle.

1     9.     The apparatus according to one claim 1, wherein the apparatus is adapted for  
2     filtering a fuel or luboil filter of a motor, especially a luboil filter of a diesel motor.

1     10.    A method for washing filtering elements in a filtering apparatus, which comprises  
2     an inlet channel for flow to be filtered, an outlet channel for the filtered flow, and a  
3     number of parallel filtering elements, into which the flow to be filtered is directed so that  
4     infiltration occurs through an element jacket, in which method the washing is achieved by  
5     connecting different elements alternately to a rotating washing organ so that the washing  
6     is carried out as backflushing directed to the washing organ with the pressure of the  
7     filtered flow, and a rotating axle of the washing organ is rotated in a stepping manner  
8     continuously in the same direction using a reciprocating mechanism, the reciprocating  
9     movement of which is generated with the pressure of the flow prevailing in the apparatus  
10    and alternating lower pressure.

1 11. The method according to claim 10, wherein the axle of the washing organ is  
2 rotated with the pressure of the filtered flow and with the lower pressure alternating with  
3 the filtered flow pressure.

1 12. The method according to claim 10, wherein the steps of the washing organ are  
2 generated with a freewheel clutch, comprising a coupling organ driving the rotating axle  
3 of the washing organ, the coupling organ being alternately in sliding contact with the axle  
4 and alternately locking into the axle for rotating the axle, the moving of the said coupling  
5 organ being carried out with a piston articulated with the coupling organ, the piston being  
6 moved back and forth by connecting the said pressures of different elements alternately to  
7 different sides of the piston.